

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S79,605  
Source: IFWP  
Date Processed by STIC: 5-26-06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,605

TIME: 08:18:50

Input Set : A:\21350YP SEQLIST.TXT

Output Set: N:\CRF4\05262006\J579605.raw

```

4 <110> APPLICANT: Harada, Shun-ichi
5      Kasparcova, Viera
6      Glantschnig, Helmut
8 <120> TITLE OF INVENTION: RHESUS MONKEY DICKKOPF-1, NUCLEOTIDES
9      ENCODING SAME, AND USES THEREOF
12 <130> FILE REFERENCE: 21350YP
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/579,605
C--> 14 <141> CURRENT FILING DATE: 2006-05-17
14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/038489
15 <151> PRIOR FILING DATE: 2004-11-12
17 <150> PRIOR APPLICATION NUMBER: 60/520,705
18 <151> PRIOR FILING DATE: 2003-11-17
20 <160> NUMBER OF SEQ ID NOS: 22
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 801
26 <212> TYPE: DNA
27 <213> ORGANISM: Macaca mulatta
29 <400> SEQUENCE: 1
30 atgatggctc tgggcgcagc aggagctgcc cgggtcttgg tcgcgctggt agcggcggct 60
31 cttggcggcc accctctgct gggagtgcgc gccaccttga actcggttct caattccaac 120
32 gcgatcaaga acctgcccc accgctgggc ggcgctgcgg ggcacccagg ctctgcagtc 180
33 agcgccgcgc caggaattct gtaccggggc ggggaataagt accagaccat tgacaactac 240
34 cagccgtacc cgtgcgcaga ggatgaggag tgcggcactg atgagtactg cgctagtccc 300
35 accgcgggag gggacgcggg cgtgcaaate tgtctgcct gcaggaagcg ccgaaaacgc 360
36 tgcattgcgc acgctatgtg ctgccccggg aattactgca aaaatggaat atgtgtgtct 420
37 tctgatcaaa ataatttccg aggggaaatt gaggaaccca ttactgaaag ctttggtaat 480
38 gatcatagca ctttggtatg gtattccaga agaacaacat tgtcttcaa aatgtatcac 540
39 agcaaaggac aagaaggttc tgtgtgtctc cggtcatcag actgtgccac aggactgtgt 600
40 tgtgctagac acttctgggc caagatctgt aaacctgtcc tcaaagaagg tcaagtgtgt 660
41 accaagcata gaagaaaagg ctctcatggg ctagaatat tccagcgttg ttactgcgga 720
42 gaaggtctgt cttgccgat acagaaagat caccatcaag ccagtaattc ttctaggctt 780
43 cacacttgct agagacacta a                                     801
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 266
47 <212> TYPE: PRT
48 <213> ORGANISM: Macaca mulatta
50 <400> SEQUENCE: 2
51 Met Met Ala Leu Gly Ala Ala Gly Ala Ala Arg Val Leu Val Ala Leu
52 1      5      10      15
53 Val Ala Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr
54      20      25      30
55 Leu Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro

```

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56          35          40          45
57 Leu Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro
58          50          55          60
59 Gly Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr
60 65          70          75          80
61 Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr
62          85          90          95
63 Cys Ala Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu
64          100          105          110
65 Ala Cys Arg Lys Arg Arg Lys Arg Cys Met Arg His Ala Met Cys Cys
66          115          120          125
67 Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn
68          130          135          140
69 Asn Phe Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn
70 145          150          155          160
71 Asp His Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser
72          165          170          175
73 Lys Met Tyr His Ser Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser
74          180          185          190
75 Ser Asp Cys Ala Thr Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys
76          195          200          205
77 Ile Cys Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg
78          210          215          220
79 Arg Lys Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly
80 225          230          235          240
81 Glu Gly Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn
82          245          250          255
83 Ser Ser Arg Leu His Thr Cys Gln Arg His
84          260          265

```

87 &lt;210&gt; SEQ ID NO: 3

88 &lt;211&gt; LENGTH: 21

89 &lt;212&gt; TYPE: DNA

90 &lt;213&gt; ORGANISM: Artificial Sequence

92 &lt;220&gt; FEATURE:

93 &lt;223&gt; OTHER INFORMATION: Rat Dkk-1 forward primer

95 &lt;400&gt; SEQUENCE: 3

96 ggtctggctt gcaggataca g

21

98 &lt;210&gt; SEQ ID NO: 4

99 &lt;211&gt; LENGTH: 23

100 &lt;212&gt; TYPE: DNA

101 &lt;213&gt; ORGANISM: Artificial Sequence

103 &lt;220&gt; FEATURE:

104 &lt;223&gt; OTHER INFORMATION: Rat Dkk-1 reverse primer

106 &lt;400&gt; SEQUENCE: 4

107 tggttttagt gtctctggca ggt

23

109 &lt;210&gt; SEQ ID NO: 5

110 &lt;211&gt; LENGTH: 26

111 &lt;212&gt; TYPE: DNA

112 &lt;213&gt; ORGANISM: Artificial Sequence

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114 <220> FEATURE:
115 <223> OTHER INFORMATION: Rat Dkk-1 Probe
117 <400> SEQUENCE: 5
118 ccatcaaacc agcaattctt ccaggc 26
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 26
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Human Dkk-1 forward primer
128 <400> SEQUENCE: 6
129 agtaccagac cattgacaac taccag 26
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 23
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Human Dkk-1 reverse primer
139 <400> SEQUENCE: 7
140 gggactagcg cagtactcat cag 23
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 22
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Human Dkk-1 probe
150 <400> SEQUENCE: 8
151 taccctgtgcg cagaggacga gg 22
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 26
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Rhesus Monkey Dkk-1 forward primer
161 <400> SEQUENCE: 9
162 gaaggtcaag tgtgtaccaa gcatag 26
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 27
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Rhesus Monkey Dkk-1 reverse primer
172 <400> SEQUENCE: 10
173 aagtgtgaag cctagaagaa ttactgg 27
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 29
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:

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181 <223> OTHER INFORMATION: Rhesus Monkey Dkk-1 probe
183 <400> SEQUENCE: 11
184 ttgatggtga tctttctgta tccggcaag                29
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 26
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: 5'h Dkk-1 Forward
194 <400> SEQUENCE: 12
195 tctccctctt gaggcttctt gagatg                26
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 24
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: 5'h Dkk-1 Reverse
205 <400> SEQUENCE: 13
206 cggttgaatt gagaaccgag ttca                24
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 25
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: 3'h Dkk-1 Forward
216 <400> SEQUENCE: 14
217 gtcacacagac tgtgcctcag gattg                25
219 <210> SEQ ID NO: 15
220 <211> LENGTH: 26
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: 3'h Dkk-1 Reverse
227 <400> SEQUENCE: 15
228 gaggctcactg catttgata gctggt                26
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 24
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: h Dkk-1 R3
238 <400> SEQUENCE: 16
239 gcactgatga gtactgcgct agtc                24
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 20
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: h Dkk-1 F3

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249 <400> SEQUENCE: 17
250 cacatagcgt gacgcatgca                                20
252 <210> SEQ ID NO: 18
253 <211> LENGTH: 35
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: rh Dkk-1 Eco RI-F
260 <400> SEQUENCE: 18
261 cggaattcac catgatggct ctgggcgcag cagga                35
263 <210> SEQ ID NO: 19
264 <211> LENGTH: 38
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: h Dkk-1 Eco RI-R
271 <400> SEQUENCE: 19
272 cggaattcgt gtctctgaca agtgtgaagc ctagaaga            38
274 <210> SEQ ID NO: 20
275 <211> LENGTH: 801
276 <212> TYPE: DNA
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 20
280 atgatggctc tgggcgcagc gggagctacc cgggtctttg tgcgatggt agcggcggct 60
281 ctcggcggcc accctctgct gggagtgagc gccacctga actcggttct caattccaac 120
282 gctatcaaga acctgcccc accgctgggc ggcgctgcgg ggcacccagg ctctgcagtc 180
283 agcgcgcgcg cggaatcct gtaccgggc ggaataagt accagaccat tgacaactac 240
284 cagccgtacc cgtgcgcaga ggacgaggag tgcggcactg atgagtactg cgctagtccc 300
285 accgcgcggag gggacgcggg cgtgcaaata tgtctgcct gcaggaagcg ccgaaaacgc 360
286 tgcattgcgt acgctatgtg ctgccccggg aattactgca aaaatggaat atgtgtgtct 420
287 tctgatcaaa atcatttcgg aggagaaatt gaggaaacca tcaactgaaag ctttggtaat 480
288 gatcatagca ctttggtatg gtattccaga agaaccacct tgtcttcaaa aatgtatcac 540
289 accaaaggac aagaaggttc tgtttgtctc cggtcacag actgtgcctc aggattgtgt 600
290 tgtgctagac acttctggtc caagatctgt aaacctgtcc tgaaagaagg tcaagtgtgt 660
291 accaagcata ggagaaaagg ctctcatgga ctagaatat tccagcgttg ttactgtgga 720
292 gaaggtctgt cttgccggat acagaaagat caccatcaag ccagtaattc ttctaggctt 780
293 cacacttgtc agagacacta a                                801
295 <210> SEQ ID NO: 21
296 <211> LENGTH: 265
297 <212> TYPE: PRT
298 <213> ORGANISM: Homo sapiens
300 <400> SEQUENCE: 21
301 Met Met Ala Leu Gly Ala Ala Gly Ala Arg Val Phe Val Ala Met Val
302 1          5          10         15
303 Ala Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr Leu
304          20         25         30
305 Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro Leu
306          35         40         45
307 Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly

```

VERIFICATION SUMMARY

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,605

TIME: 08:18:52

. . . .

Input Set : A:\21350YP SEQLIST.TXT

Output Set: N:\CRF4\05262006\J579605.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date